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Approved for use through 10/31/2002. OMB 0651-0032  
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|   |  |   |
|---|--|---|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> |  | Attorney Docket No. <b>356972020512</b> |
|   |  | First Inventor <b>Seiichi NAKATANI</b>  |
| Title   | <b>PRINTED CIRCUIT BOARD AND METHOD<br/>MANUFACTURING THE SAME</b> |   |
|   |  | Express Mail Label No. _____            |

|  |  |   |  |
|--|--|---|--|
| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents.</small>   |  | <b>ADDRESS TO:</b> Commissioner for Patents<br>Washington, DC 20231   |  |
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br/><i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input type="checkbox"/> Applicant claims small entity status.</p> <p>3. <input checked="" type="checkbox"/> Specification <span style="border: 1px solid black; padding: 2px;">[Total Pages <b>43</b>]</span></p> <p style="margin-left: 20px;">(preferred arrangement set forth below)</p> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="border: 1px solid black; padding: 2px;">[Total Sheets <b>6</b>]</span></p> <p>5. Oath or Declaration <span style="border: 1px solid black; padding: 2px;">[Total Pages <b>3</b>]</span></p> <p>a. <input type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/><i>(for continuation/divisional with Box 18 completed)</i></p> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> |  | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission<br/><i>(if applicable, all necessary)</i></p> <p>a. <input type="checkbox"/> Computer Readable Form (CRF)</p> <p>b. Specification Sequence Listing on:</p> <p>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper</p> <p>c. <input type="checkbox"/> Statements verifying identity of above copies</p> |  |

|   |  |  |
|---|--|--|
| <b>ACCOMPANYING APPLICATIONS PARTS</b>  |  |  |
| <p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <span style="margin-left: 20px;"><input type="checkbox"/> Power of Attorney</span><br/><i>(when there is an assignee)</i></p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <span style="margin-left: 20px;"><input type="checkbox"/> Copies of IDS Citations</span></p> <p>13. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/><i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/><i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).<br/>Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other: _____</p> |  |  |

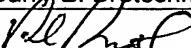
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: **09/956,551**

Prior application information: Examiner **J. Vigushin** Group / Art Unit: **2827**

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

|   |   |          |  |
|---|---|----------|--|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label |  |          | or <input type="checkbox"/> Correspondence address below |
| * 2 5 2 2 7 *   |   |          |  |
| Name  |   |          |  |
| Address   |   |          |  |
| City  | State   | Zip Code |  |
| Country   | Telephone   | Fax      | —  |
| Name (Print/Type)   | <b>Barry E. Bretschneider</b>   |          | Registration No. (Attorney/Agent) <b>28,055</b>          |
| Signature   |  |          | Date <b>June 25, 2003</b>                                |

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# FEET TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00)

## Complete if Known

|                      |                       |
|----------------------|-----------------------|
| Application Number   | Not Yet Assigned      |
| Filing Date          | Concurrently Herewith |
| First Named Inventor | Seiichi NAKATANI      |
| Examiner Name        | Not Yet Assigned      |
| Group Art Unit       | Not Yet Assigned      |
| Attorney Docket No.  | 356972020512          |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  Other  None
 Deposit Account

Deposit Account Number 03-1952

Deposit Account Name Morrison &amp; Foerster LLP

The Commissioner is hereby authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee
 

to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity

| Fee Code     | Fee (\$) | Fee Code | Fee (\$) | Fee Description        | Fee Paid |
|--------------|----------|----------|----------|------------------------|----------|
| 1001         | 750      | 2001     | 375      | Utility filing fee     | 750.00   |
| 1002         | 330      | 2002     | 165      | Design filing fee      |          |
| 1003         | 520      | 2003     | 260      | Plant filing fee       |          |
| 1004         | 750      | 2004     | 375      | Reissue filing fee     |          |
| 1005         | 160      | 2005     | 80       | Provisional filing fee |          |
| SUBTOTAL (1) |          | (\$)     |          |                        | 750.00   |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Extra Claims         | -20** = | x | Fee from below | Fee Paid |
|----------------------|---------|---|----------------|----------|
| Total Claims 16      | -20** = | x |                | 0.00     |
| Independent Claims 1 | -3** =  | x |                | 0.00     |
| Multiple Dependent   |         | x |                |          |

| Large Entity | Small Entity | Fee Description   | Fee Paid |
|--------------|--------------|---|----------|
| 1202         | 18           | 2202 9 Claims in excess of 20                                     |          |
| 1201         | 84           | 2201 42 Independent claims in excess of 3                         |          |
| 1203         | 280          | 2203 140 Multiple dependent claim, if not paid                    |          |
| 1204         | 84           | 2204 42 ** Reissue independent claims over original patent        |          |
| 1205         | 18           | 2205 9 ** Reissue claims in excess of 20 and over original patent |          |
| SUBTOTAL (2) |              | (\$)  | 0.00     |

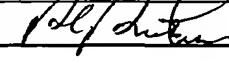
\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

| Large Entity        | Small Entity | Fee Description  | Fee Paid |
|---------------------|--------------|--|----------|
| 1051                | 130          | 2051 65 Surcharge - late filing fee or oath  |          |
| 1052                | 50           | 2052 25 Surcharge - late provisional filing fee or cover sheet.                    |          |
| 1053                | 130          | 1053 130 Non-English specification   |          |
| 1812                | 2,520        | 1812 2,520 For filing a request for ex parte reexamination                         |          |
| 1804                | 920*         | 1804 920* Requesting publication of SIR prior to Examiner action                   |          |
| 1805                | 1,840*       | 1805 1,840* Requesting publication of SIR after Examiner action                    |          |
| 1251                | 110          | 2251 55 Extension for reply within first month                                     |          |
| 1252                | 410          | 2252 205 Extension for reply within second month                                   |          |
| 1253                | 930          | 2253 465 Extension for reply within third month                                    |          |
| 1254                | 1,450        | 2254 725 Extension for reply within fourth month                                   |          |
| 1255                | 1,970        | 2255 985 Extension for reply within fifth month                                    |          |
| 1401                | 320          | 2401 160 Notice of Appeal  |          |
| 1402                | 320          | 2402 160 Filing a brief in support of an appeal                                    |          |
| 1403                | 280          | 2403 140 Request for oral hearing  |          |
| 1451                | 1,510        | 1451 1,510 Petition to institute a public use proceeding                           |          |
| 1452                | 110          | 2452 55 Petition to revive - unavoidable   |          |
| 1453                | 1,300        | 2453 650 Petition to revive - unintentional  |          |
| 1501                | 1,300        | 2501 650 Utility issue fee (or reissue)  |          |
| 1502                | 470          | 2502 235 Design issue fee  |          |
| 1503                | 630          | 2503 315 Plant issue fee   |          |
| 1460                | 130          | 1460 130 Petitions to the Commissioner   |          |
| 1807                | 50           | 1807 50 Processing fee under 37 CFR 1.17(q)  |          |
| 1806                | 180          | 1806 180 Submission of Information Disclosure Stmt                                 |          |
| 8021                | 40           | 8021 40 Recording each patent assignment per property (times number of properties) |          |
| 1809                | 750          | 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))               |          |
| 1810                | 750          | 2810 375 For each additional invention to be examined (37 CFR 1.129(b))            |          |
| 1801                | 750          | 2801 375 Request for Continued Examination (RCE)                                   |          |
| 1802                | 900          | 1802 900 Request for expedited examination of a design application                 |          |
| Other fee (specify) |              |  |          |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

| SUBMITTED BY      |   |                  |        |           |                | Complete (if applicable) |  |
|-------------------|---|------------------|--------|-----------|----------------|--------------------------|--|
| Name (Print/Type) | Barry E. Bretschneider  | Registration No. | 28,055 | Telephone | (703) 760-7743 |                          |  |
| Signature         |  |                  |        | Date      | June 25, 2003  |                          |  |